ENT BOOK

th	Dimensions: Breadth 5	Dimensions: Depth 6	Contents 7	Reference to last Measurement 8
			IT - 31140.00 VAT - 124559.00 LWF - 3140.00 CST - 314.00 SP - 41101.00	
			Total 2310554.00	

SBRAO-36/16-17 31-5-16

M. A. R. 57 (Rule 116)
Measurement Book

No. B

BR-154/31-5-16 209113

Serial No. 1st and final Bill

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency ..... B.B. Umesh. Contractor

Date of commencement of work ..... Do. Recording 2 30/05/2016

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Dimensions: Length 4	Dimensions: Breadth 5	Dimensions: Depth 6	Contents 7	Reference to last Measurement 8
	Name of work : Comp and Asphalting to Roads- Kurumpunagar- IInd Stage in Ward No.11 (Kurumpunagar) Vidyaranyapura Sub-Division.						
	Estimated Cost Rs 30.00 Lakhs.						
	NB-Code - 011-15-00000/						
	Head of A/c - Sanctioned under Cm-Grant - Nagarothan for the Year 2015-16 as per circular No. Comm./PR/ 4741/15-16-Dt 16-07-2015						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work order No. 2. EE/BYP/BBMP/E-part/15(13866)/WO/222/2015-16 dt. 14/2/16						
(1)	Earthwork Excavation by Manual means in ordinary soil including an average horizontal throw upto 2mts at an average lift upto 0.300m, Excavated surface levelled and finally dressed, the disposed Earth to be leveled neatly after breaking clods etc complete as per specifications & directions of Engineer-in-charge of the work.						
	Qty vide this MB						
	pvw. 20/8/1 = 2 nos. (1)						
	= 498.834 @ 80/m³						39,906=40

M. A. R
Meas

Serial No. .....
Name of Work ..... From...
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
(2)	Earthwork Excavation by manu... an average horizontal throw ... lift upto 0.300m, Excavated su... neatly dressed, the disposed ... after breaking clods etc co... and direction of Engineer-in... Qty	

OOK

h	Depth	Contents	Reference to last Measurement
	6	7	8
	(1386) | 100 | 222		2015-16
			Br. 16/2/16
	is ordinary soil		
	2mts at any		
	ufree levelled		
	Earth to be leveled		
	le as per		
	rge of		
	this MB		
	1 = Nos. ①		
	. 834 × 80/y³		39,904.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B
209114

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
②	Earthwork excavation by manual means in hard soil including an average horizontal throw upto 2m and an average lift upto 1.50m, Excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods etc complete as per the specifications and directions of Engineer-in-charge of the work.						
	Transfer this MB. P: 209185						
	No. ② :					686.70 y³ @ 110/y³	75,537.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(3) Providing & B.d. slabs as drawn & Staging etc complete as per specifications & directions of Engineer-in-charge of the work.						
						qty vide this M/B. P. 209186	
						# no. (3) 1044.90 sq ft @ 60/-	62694.00
	4) Providing the B.s. stone slabs of drain and joints in CM 1:3 etc complete as per specifications and directions of Engineer-in-charge of the work.						
						qty as per # no (3) 1044.90 sq ft	
						@ 80/-	83592.00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
5)	Providing, laying, spre... aggregate to wet ... premixing the mat... mix plant Conveyi... Site, laying in uni... course on well p... Vibratory Roller to ... Complete as per ...

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
		Stacking etc Complete	
		of Engineer-in-	
		e this M/B.P. 209186	
		-(1) 1044.9 sq.m @ 60/m2	62694.00
		ion and paving	
		fication and	
		of the road.	
		Total (3) 1044.9 sq.m	
		@ 80/m2	83592.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209115

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
5)	Providing, laying, spreading of Compacting graded stone aggregate to Wet mix Macadam specification including premixing the material with Water at one in mechanical mix plant Conveying mixed material by tipper to site, laying in uniform layers with power fin-Sub-Base Course on well prepared surface and compacting with Vibratory Roller to achieve desired density etc Complete as per specification and direction of Engineer-						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	In charge of the Work						
			Qty as per this MB pp no. 209 to 88				
			Total: (4) 686.70 sqm				
			@ 1500/sqm = 10,30,050.00				
(6)	Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with stone brushes of small pieces, sweeping with brooms or soft brushes and locally dusty with old gunny bags and re compressed air to receive the bituminous treatment including carting all materials,						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Labour, stores, ma... specifications of the... work
(7)	Providing and applying... medium pressure... @ 1.10 kg/sqm over...

ENT BOOK

Dimensions			Contents	Reference to last Measurement
th	Breadth 5	Depth 6	7	8
g fide this MB pno: 209188				
Hons: (4)			686.70 sq.m	
			@ 150/-	= 10,30,050.00
of surface including				
and other foreign matter				
sweeping with				
ly dusty Mould				
an to receive the				
ng all materials,				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209116

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	labour, tools & machinery carry all complete as per specifications & directions of Engineer-in-charge of the work.						
			qty vide this MB. p 209189				68.670.00
			Hons (5)		4578 sq.m	@ 15/-	
(7)	Providing and applying primer coat for surfaces of medium porosity like cement stabilized soil base @ 1.10 kg/sq.m over prepared surface with S.S. bitumen						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Emulsion using bitumen tankers fitted with spray Rate (excluding cleaning Road surface) including costing all material, labour, hiring machineries complete as per specifications and directions of Engineer in-charge of the work.						
						9th as per M.B. no. (5) : 45842	
						@ 80/42	3,66,240.00
8)	Providing and laying semi-dense bituminous Concrete using crushed aggregates of specified grading, premix with bituminous binder and filler, transporting the hot						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	mix to Work Site, lay to the required grade smooth wheeled, to the desired Compact Clause no. 508 Ca Cabana using 10-1 dense Paver gra SS grade all Comp

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
filled with spong			
surface) including			
of mo dimensions			
direction of Engg			
per # no. (5) = 457.42			
e 80/42			3,66,240.00
bituminous Concrete			
coal grading, premix			
transporting the hot			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209117

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	mix to Work Site, laying in ~~layers~~ with paver finisher to the required grade level, and alignment, Rolling with Smooth Wheeled, Vibratory and tandem Rollers to achieve the desired Compaction as per MORTH specifications Clause no. 508 Complete in all respects as per specifications using 10 - 120 TPH Capacity Hmp with Sensor Paver grading - II (25-30mm) with 5% C RMB 55 grade all Complete as per specifications & directions						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of Engineer in-charge of the work				Dly		
	of Gurudchand Road Extension	1	30.00	$\frac{6.3+6.4}{2}$	0.025 =	4.76	
		1	30.00	$\frac{6.4+5.3}{2}$	0.025 =	4.39	
		1	12.00	$\frac{5.3+5.2}{2}$	0.025 =	1.82	
	(b) Temple. Road	1	30.00	$\frac{6.0+6.0}{2}$	0.025 =	4.50	
		1	25.00	$\frac{6.0+6.0}{2}$	0.025 =	3.75	
	(c) Naidu Sweet Mart Road	1	30.00	$\frac{5.2+4.5}{2}$	0.025 =	3.64	
		1	30.00	$\frac{4.5+5.2}{2}$	0.025 =	3.64	
		1	30.00	$\frac{5.2+5.8}{2}$	0.025 =	4.18	
		1	30.00	$\frac{5.8+5.5}{2}$	0.025 =	4.24	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work ....

Date	Full description, etc, of w
1	2
	d) 3rd Cross Road
	e) 4th Cross

T BOOK

ions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
	Avg		
3+6.4/2	0.025 = 4.764		
4+5.2/2	0.025 = 4.39		
3+5.2/2	0.025 = 1.82		
+6.0/2	0.025 = 4.50		
0+6.0/2	0.025 = 3.26		
2+4.5/2	0.025 = 3.64		
5+5.2/2	0.025 = 3.64		
2+5.8/2	0.025 = 4.18		
8+5.5/2	0.025 = 4.24		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

209118

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6 Avg		
		1	30.50	5.5+5.4/2	0.025 =	4.16	
		1	30.50	5.6+5.2/2	0.025 =	4.09	
		1	30.50	5.3+5.6/2	0.025 =	4.09	
		1	34.50	5.6+5.4/2	0.025 =	4.74	
		1	30.50	4.6+4.3/2	0.025 =	3.34	
		1	24.50	4.3+4.2/2	0.025 =	2.78	
		1	30.50	4.2+3.6/2	0.025 =	2.94	
		1	30.50	3.6+3.7/2	0.025 =	2.76	

d) 3rd Cross-Road 3/5

e) 4th Cross-Road

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Checked 31/5/16.	1	30.00	$\frac{3.7+4.2}{2}$	0.025	= 3.15	
		1	30.00	$\frac{4.7+4.3}{2}$	0.025	= 3.38	
		1	30.00	$\frac{4.3+5.4}{2}$	0.025	= 3.64	
	Varied-type layout.	1	31.00	$\frac{5.4+5.2}{2}$	0.025	= 4.11	
		1	30.00	$\frac{4.2+3.8}{2}$	0.025	= 3.00	
		1	30.00	$\frac{3.8+4.0}{2}$	0.025	= 2.93	
		1	30.00	$\frac{4.0+4.2}{2}$	0.025	= 3.08	
		1	30.00	$\frac{4.0+4.2}{2}$	0.025	= 3.08	
		1	30.00	$\frac{4.2+4.0}{2}$	0.025	= 3.08	
		1	30.00	$\frac{4.2+4.2}{2}$	0.025	= 3.15	

M.

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
	4M C Ross - Road C4F ASSISTANT EXECUTIVE ENGINEER Vidyaranyapura Sub-Division Bruhath Bengaluru Mahanagara Palike	

Dimensions			Contents	Reference to last Measurement
gth 4	Breadth 5	Depth 6	7	8
	3.7+4.2/2	0.025 = 3.15		
	4.7+4.3/2	0.025 = 3.38		
	4.3+5.4/2	0.025 = 3.64		
	5.4+5.2/2	0.025 = 4.11		
	4.2+3.8/2	0.025 = 3.60		
	3.8+4.0/2	0.025 = 2.93		
	4.0+4.2/2	0.025 = 3.08		
	4.0+4.2/2	0.025 = 3.08		
	4.2+4.0/2	0.025 = 3.08		
	4.2+4.2/2	0.025 = 3.15		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209119

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	4M C Ross - Rud	1	20.00	4.2+4.2/2	0.025	2.10	
		1	30.00	4.5+4.5/2	0.025	3.38	
		1	17.00	4.5+4.5/2	0.025	1.91	
		1	30.00	4.4+4.8/2	0.025	3.53	
		1	15.00	4.8+4.8/2	0.025	1.80	
		1	30.00	4.8+4.6/2	0.025	3.53	
		1	18.00	4.4+4.8/2	0.025	2.12	
						114.484	13,16,175.00

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

@1500/m³ Add 114.484 m³

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
9)	Lead for Disposal of debris shall be payable at Carriage rate by mechanical mean including loading and unloading etc complete as per the direction of Engineer in-charge of the work.						
		Qty as per Sr no (1+2)					
		= 498.834 + 686.704					
		= 1185.538 m³					
	Add =	850.000 m³				@ 79/- m³	67150.00
						Total Rs	31,10,804.00

ASSISTANT ENGINEER
Vid
Bruhath Bungalow ... Palike

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Certificate
	(1) Certified that Satisfactori
	(2) The contract work has

BOOK

...dth	Depth	Contents	Reference to last Measurement
...	6	7	8
...be payable at ... including loading ... directions of Engineer			
...Item (1+2)			
...686.704			
...679/m³			67990.00
		Total Rs	31,10,804.10

...EER

...Palike

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209120

Serial No. ....

Name of Work .... From................................ To....................................

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate (1) Certified that the contractor work done satisfactorily. (2) The contractor has removed the debris from work site						

AE 30/5

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	181.00M 4th Cross Road Kuvempunagar 1st stage.						
	Kuvempunagar main Road		Gandhi statue				
	Str. M. Vishweshwaraiah Road		Naidu Layout main Road				
				244.50M			
				Temple			
			55.0M				
						Asphalt in Road with 25mm SDBC	
			School Road				
			72.0M				
						Govt school	
						4mtr 47M Steps 45M Steps 48.0M	
						Vinaya Layout	
						200.0M	

30/05

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP Bangalore - 97

ASSISTANT ENGINEER
Vidyaranyapura Sub Division
Bruhath Bengaluru Mahanagara Palike

Forwarded
Engineer

Serial No. .....
Name of Work .....
Name of Contractor of na
Date of commencement

Date	Full descriptio
1	2

BR-154
31/5/16

MEASUREMENT BOOK

D	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
						IT - 31108-00	
						VAT - 124432-00	
						LWF - 31108-00	
						CBF - 3111-00	
						LR - 40526-00	
						Total - 230265-00	

Audited & Admitted Rs
3110800-00
2880535-00
and Rs 230265-00

Accts. Supdt.
Byatarayanapura Dn. Byatarayanapura
BBMP

18/6/16.

SBRJO-37/16

Serial No. 1st and final Bill
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Name of Work
	Estimated cost
	NB. No
	Work order No
	Head of A/c